

TSEYTLIN, S.G.; BYKOV, P.I.

Utilization of armonium fluoride and the tetrasubstituted sodium salt of ethylenedinitrile tetrascetic acid in determining radium and its isotopes. Radiokhimiia 3 no.3:356-358 '61. (MIRA 14:7)

(Radium-Isotopes)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

s/015/60/000/008/002/003 A052/A129

AUTHOR: -

Tseytlin, S. G.

TITLE:

Application of sodium ethylenediaminetetraacetate (trilon E) to

radiochemical analysis

PERIODICAL:

Referativnyy zhurnal. Geologiya, no. 8, 1960, 194, abstract 15020

(Tr. In-ta geol. rudn. mestorozhd., petrogr., mineralogii i geokhimii.

AN SSSR, 1959, no. 28, 148 - 151)

The method of determining large and small quantities of Ra and ThX in Th units is based on the capacity of the tetrasubstituted sodium ethylenediaminetetraacetate to dissolve Ba, Ra and ThX sulfates. A weighed test portion of 10 g to 0.01 g (depending on Ra and ThX contents) is put into hydrochloric acid solution; into the same solution 0.02 - 0.05 g BaCl₂ is put. Ba is precipitated with diluted H₂SO₄. Together with BaSO₄ Ra, ThX and MsThl sulfates are precipitated. They are filtered off after 2 - 3 hours by means of a glass crucible with a porous bottom no. 3 with a slight rarefaction, carefully rinsed with water, washed off with a hot solution of tetrasubstituted sodium ethylenediaminetetraacetate. The crucible with a porous bottom is boiled during 3 - 4 min in 10 - 12 ml of the same

Card 1/2

CIA-RDP86-00513R001757020009-0" APPROVED FOR RELEASE: 03/14/2001

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757020009-0

Application of sodium ethylenediaminetetraacetate...

S/015/60/000/008/002/003 A052/A129

solution. Both solutions are joined (40 - 50 ml total volume) and boiled until the precipitate is completely dissolved (10 - 15 min). The solution obtained is boiled down to the volume of 30 - 35 ml, cooled and placed into a bubbler. The quantity of ThX expressed in Th units and the quantity of Ra contained in this solution are determined on the electrometer. The accuracy of the method is acceptable for the purpose of radiochemical analysis.

V. S. Melamedova

[Abstracter's note: Complete translation]

Card 2/2

 Use of soc chemical s	analysis. Trudy	minetetrascetat IGEM no.28:148 (Radiochemistr	(radio-
	/00010 mores	•		

S/186/61/003/003/015/018 E071/E435

AUTHORS:

Tseytlin, S.G. and Bykov, P.I.

TITLE:

Application of Ammonium Fluoride and Tetrasubstituted Sodium EDTA Salt in the Determination of Radium and

its Isotopes

PERIODICAL: Radiokhimiya, 1961, Vol.3, No.3, pp.356-358

For the determination of radium and its isctopes by the emanation method, it is necessary to transfer rocks and minerals Usually this is done by fusion with a mixture of into solution. soda, sodium hydroxide and barium chloride. This method is laborious, particularly when large samples (10 to 20 g) are to be treated or when the percentage of silica is high (50 to 70%). authors developed a simplified method of transfering specimens into The method is based on mixing the sample investigated with ammonium fluoride (4 g of fluoride per 1 g of silica) in an iron crucible and heating it at 600 to 650°C until the evolution of fumes stops. Subsequently, the so treated sample is either dissolved in hydrochloric acid or fused with sodium peroxide. depending on its composition. The analytical procedure is described in detail. A comparison of analytical results obtained Card 1/2

Application of Ammonium

S/186/61/003/003/015/018 E071/E435

by the usual and proposed methods is given in a table. The results either agree or differ within the limits of the usual analytical error. There are 1 table and 5 Soviet references.

SUBMITTED: June 23, 1960

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

AFANAS'YEV, G.D.; TSEYTLIN, S.G.

Preliminary studies of radioactivity of North Caucasian rocks and their importance for petrology. Izv. AN SSSR. Ser. geol. 23 no.3:16-30 '58. (MIRA 11:5)

1.Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.
(Caucasus, Northern--Rocks, Igneous)

CIA-RDP86-00513R001757020009-0 "APPROVED FOR RELEASE: 03/14/2001

TSEKI HIM, OLL

AUTHORS:

Afanas yev, G.D., Tseytlin, S.G.

11-58-3-2/14

NAME OF THE PERSON OF THE PERS

TITLE:

Preliminary Results of the Study of Rock Radioactivity in North Caucasus and Their Importance for Several Problems of Petrology (Predvaritel'nyye itogi izucheniya radioaktivnosti gornykh porod Severnogo Kavkaza i ikh znacheniye dlya nekotorykh problem petrologii)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, # 3, pp 16-30 (USSR)

ABSTRACT:

This article sums up the works of many geologists and petrographers and presents a detailed table of the stratigraphic classification of magmatogene rocks of the North Caucasus according to their age. It stresses the importance of studying the presence of the radio-active elements in these rocks. These studies are not yet completed, but from preliminary surveys it was possible to prepare tables of these rocks according to their age and to their petrographic peculiarities. The study of endogenous processes in the earth-crust will enable us to enlarge our knowledge of the general structure of the earth and, especially, to substantiate a theory on the development of volcanoes, which perhaps derive their energy from the process of disintegration of radioactive elements

Card 1/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

11-58-3-2/14

Preliminary Results of the Study of Rock Radioactivity in North Caucasus and Their Importance for Several Problems of Petrology

> which generate the initial heat. The authors cite a number of foreign and Soviet scientists and geologists and conclude that the systematic study of the presence of radioactive elements in various rock formations will help to solve the question of volcanic heat. There are 14 Soviet, 4 American, 2 English, 1 Japanese and 1 Mexican reference.

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii Akademii Nauk SSSR, Moskva (Institute for Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry of the USSR Academy of Sciences, Moscow)

SUBMITTED:

November 14, 1957.

AVAILABLE:

Library of Congress

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

8/313 S/019/60/000/021/134/145

A152/A029

10 9300 1**3, 2000** 26. 4140 AUTHORS:

Matveyev, V.N.; Kvashnin, A.I.; Molotkov, I.P; Tseytlin, S.I.;

Kalinin, Yu.I.

TITLE:

A Test Stand for Imitating the Controllability of Longitudinal and

Sidelong Movements of Aircraft

PERIODICAL: Byulleten' izobreteniy, 1960, No. 21, p. 71

TEXT: Class 62c, 2703. No. 133355 (649576/27 of January 3, 1960). 1) This stand is employed, for example, in investigating control dynamics, and includes an electronic model and a three-component servo system that interacts with the actuating mechanism. It has the following special feature: in order to make it possible to visually observe the position of aircraft with regard to the earth and sky, as it performs unlimited maneuvers, and also while it is subjected to the effects of any gusts and jet flows, the three-component actuating mechanism is fitted with two mutually-perpendicular carriages carrying a diapositive whose image is projected on a screen installed in front of the pilot. 2) A variant of 1, distinguished by the following special feature: in order that the coordinates may be reproduced in a way ensuring a correct horizontal shift-

Card 1/2

87313

S/019/60/000/021/134/145 A152/A029

TO TOTAL SERVICE OF THE SERVICE SERVIC

A Test Stand for Imitating the Controllability of Longitudinal and Sidelong Movements of Aircraft

ing of the diapositive during yawings and a proper vertical representation of a pitching moment, irrespectively of the magnitude of bank, this variant is provided with two sine-cosine potentiometers, one of which is fed with the pitching moment voltage, the other with a voltage corresponding the the given yawing.

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

TO THE OWNER OF THE PROPERTY O

GOLDSHTEYN, R.I.; ZEL'KIND, Ye.M.; TSEYTLIN, S.I.; CHEKULAYEVA.
Yu.I.; KUROVA, E.A., ved. red.; SOLOV'YEVA, S.S., ved.
red.

[Petroleum refining abroad; a statistical and economic collection] Neftepererabotka za rubezhom; statistiko-ekonomicheskii sbornik. Moskva, TaNIIITEIneftegaz, 1963. 112 p. (MIRA 17:12)

l. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut informatsii i tekhniko-ekonomicheskikh issledovaniy po neftyanoy i gazovoy promyshlennosti.

TSEYTLIN, N.M.

Methodology of precision measurements with the aid of an "artificial moon." Izv.vys. ucheb.zav.; radiofiz. 6 no.6: 1265-1268 '63. (MIRA 17:4)

l. Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete.

AL ANTHONIS AND PROPERTY OF THE PROPERTY OF TH

TSEYTLIN, S.I., kand. tekhn. nauk, dotsent

Nomograms for calculating parameters of harmonic vibrations. Priborostroenie no.7:4-7 Jl '65.

(MIRA 18:7)

EMT(1)/EMA(h)GW L 3296-66

ACCESSION NR: AP5025048

UR/0286/65/000/016/0088/0089

534.63 : 621.317.7

AUTHOR: Tseytlin, S. I.

TITLE: A seismic-type vibrosensor. Class 42, No. 173963 12,44,55

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 88-89

TOPIC TAGS: geophysical instrument, seismic instrument, vibration sensor

ABSTRACT: This Author Certificate introduces a seismic-type, one-component vibrosensor which contains an inertial mass coupled to the frame of the instrument by elastic or magnetic suspension. The instrument is equipped with a magnetic correction device to extend its frequency range and increase its sensitivity to vibration components which are not being measured. The correction unit consists of a fixed magnetic and ferromagnetic armature which is attached to the inertial mass. When the inertial weight moves, the armature develops a force directed counter to that of the elastic suspension (see Fig. 1 of Enclosure). Orig. art. has: 1 figure.

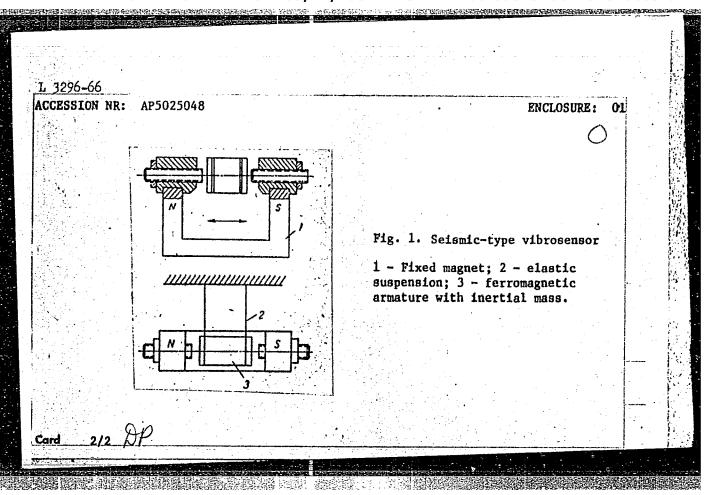
ASSOCIATION: none SUBMITTED: 16Nov63

NO KEF SOV: 000 Card 1/2

01 ENCL: OTHER: 000 SUB CODE: ATD PRESS

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757020009-0"



IVANOV, Yu.D., inzh.; TSEYTLIN, S.L.

Machanization of labor-consuming production processes at the "Krasnaia Krutil'shchitsa" Silk Factory. Mekh. i avtom. proizv.

(MIRA 14:5)

(Silk manufacture—Technological innovations)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

Characteristics of the development of Pleistocene glaciations in the northwestern part of the Siberian Platform. Dokl.AN SSSR 138 no.4:920-923 Je '61. (MIRA 14:5)

1. Geologicheskiy institut AN SSSR. Predstavleno akademikom D.I.Shcherbakovym. (Siberian Platform—Glacial spoch)

。 1. 1977年1月1日 - 1977年1月1日 -

TSEYTLIN, S.M.; LAVRUSHIN, Yu.A., otv.red.; PRYVE, A.V., glavny, red.; MARKOV, M.S., red.; MENNER, V.V., red.; TIMOFEYEV, P.F., red.

[Comparison of Quaternary sediments in the glacial and extraglacial zones of Central Siberia(Lower Tunguska Basin)]
Sopostavlenie chetvertichnykh otlozhenii lednikovci vnelednikovci zon tsentral'noi Sibiri (bassein Nizhne Tunguski).
Moskva, Izd-vo "Nauka," 1964. 184 p. (Akademiia nsuk SSS).
Geologicheskii institut. Trudy, no. 100) (MIRA 17:6)

1. Chlen-korrespondent AN SSSR (for Peyve).

	IN, S.M.		* ** 7 ~	Cant You	s chetu
to be added to the	New Faleclithic site per. no.29:175-182	in the ten	ies Agriste	(1)	MIRA 17:8)

TSETTLIN, S.M.

Eopleistocene in the basin of the Lower Tunguska River. Dokl.AN SSSR 133 no.5:1183-1186 Ag 160. (MIRA 13:8)

1. Predstavleno akademikom N.S. Shatskim. (Lower Tunguska Valley-Geology, Stratigraphic)

Clacial sediments in the middle Lower Tunguska Valley and their stratigraphic position. Trudy GIN no.32 115-121 '59', (MIRA 13:12)

(Lower Tunguska Valley-Geology, Stratigraphic)

SHILINA, G.P.: TSETTLIN, S.M.

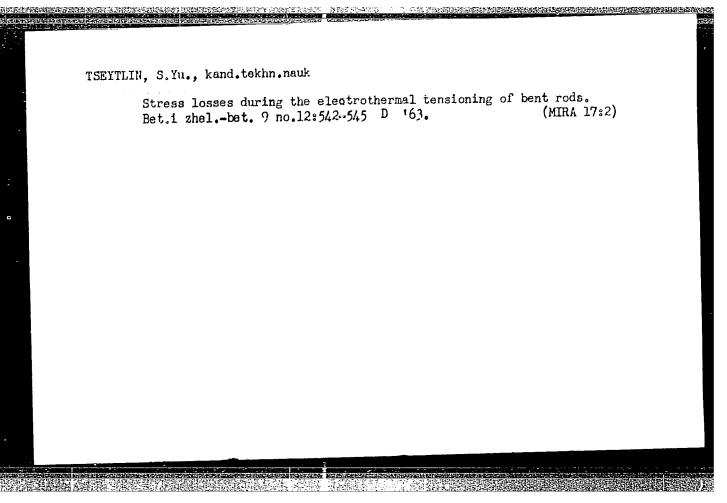
First find of kimberlites in the Aldan shield. Sov.geol.
2 no.10:132-136 0 '59. (MIRA 13:4)

1. Geologicheskiy institut AN SSSR.
(Aldan Plateau--Kimberlite)

ZAKHAROV, M.V.; CHISTYAKOV, Yu.D.; BAZHBEUK-MELIKOVA, I.G.; TSEYTLIN, S.N.

Searching for new copper alloys for a gold-colored metallisation of glass. Issl.splav.tsvet.met. no.2:184-188 '60. (MIRA 13:5)

(Copper alloys) (Metal spraying)



RATTS, E.G., kand.tekhn.nauk; TSEYTLIN, Sh.Yu., kand.tekhn.nauk

Improvement of prestressed structural units of industrial buildings and methods of manufacture. Prom. stroi. 39 no.3:20-24 '61... (MIRA 14:4)

1. Nauchno-issledovatel'skiy institut Zhelezobeton Gkwmospromstroy-materialov.

(Prestressed concrete)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

KOLODEY, Anton Pavlovich, inzh.; KHANIN, Georgiy Fedorovich, inzh.;

TSEYTLIN, Sholom Yudovich, kand. tekhn. nauk; DUMASHOV,
Yu.F., red.; YEVDOKIMOVA, Ye.D., red. izd-va; LELYUKHIN,
A.A., tekhn.red.

[Elements of the projecting parts on building facades; their maintenance and repair]Konstruktsii vystupaiushchikh chastei na fasadakh zdanii, ikh soderzhanie i remont. Pod obshchei red. G.F.Khanina. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1962. 198 p. (MIRA 15:10) (Façades-Maintenance and repair)

32894

16.6500

S/044/61/000/012/050/054 0111/0222

AUTHOR:

Tseytlin, Sh. Yu.

TITLE:

Optimal operators in the method of differences and their application to the calculation of plates and shells

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 12, 1961, 48, abstract 12V282. ("Issled. po teorii sooruzh." Vyp. 9.

M., Gosstroyizdat, 1960, 207-245

TEXT: Described is a method for solving boundary value problems with the aid of "optimal operators" of finite differences. This method allows a practically exact solution with a minimally narrow net. By applying the Taylor series to calculate the operators of finite differences, one obtains new operators of even, odd and mixed derivatives. These operators can be used to solve a large class of problems, if the differentiations take place in the plane as well as in space. Examples are given for the presentation of boundary conditions in finite differences. An algorithm is constructed to solve two-dimensional problems; this algorithm is used to calculate quadratic plates with uniformly distributed stress under the condition of a supported or clamped boundary. Further, thin flat shells are examined and a Card 1/2

32894

Optimal operators in the method of ... C111/C222

classification of these shells is given.

[Abstracter's note: Complete translation.]

Card 2/2

Combined panel loads on coverings. Issl. po teor. sooruzh. no.7:
521-531 57.

(Concrete construction) (Graphic statics)

SOV/124-58-7-7919

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 89 (USSR)

AUTHOR: Tseytlin, ShowYur.

TITLE: On the Joint Working of Overlapping Panels (O sovmestnoy rabote paneley perekrytiy)

PERIODICAL: V sb.: Issledovaniya po teorii sooruzheniy. Nr 7. Moscow, Gosstroyizdat, 1957, pp 521-531

ABSTRACT: The problem reduces to analyzing a system of plates simply supported along two of their parallel edges and joined together by hinges which transmit the reactions of the supported edges. The solution to the problem arrived at has the M. Levi form, the load on the edge of the plate being taken as the unknown. Included are graphs which simplify the calculations.

A. A. Kurdyumov

Card 1/1

1. Metal plates -- Load distribution 2. Metal plates -- Theory

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

Optimum operators in the method of finite differences and their use in designing plates and shells. Issl. po teor. sooruzh. no. 9:207-245 '60. (MIRA 14:1)

(Elastic plates and shells)

TSEYTLIN, Sh. Yu.

"Calculation of Shallow Shells, Rectangular in Plan, on the Basis of Professor V. Z. Vlasov's Theory." Thesis for degree of Cand. Technical Sci. Sub 23 May 50, Moscow Order of Labor Red Banner Engineering Construction Inst imeni V. V. Kuybyshev

FDD Summary 71, 4 Sep 52, <u>Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950</u>. From <u>Vechernyaya Moskva</u>. Jan-Dec 1950.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

TSEYTLIN, Sh.Yu., kand.tekhn.neuk; MILOVIDOV, K.I., inzh.

Crack resistance of eccentrically compressed prestressed elements with square section. Bet. i zhel.-bet. 8 no.11:498-501 N 162. (MIRA 15:11)

(Prestressed concrete-Testing)

RATTS, E.G., kand.tekhn.nauk, laureat Leninskoy premii; TSEYTLIN, Sh.Yu., kand.tekhn.nauk; ALIYEV, Sh.A., inzh.

Study of precast reinforced concrete foundations reinforced with prestressed elements. Sbor. trud. NIIZHelezobetona no.5:3-19 '61. (MIRA 16:3)

(Foundations) (Precast concrete--Testing)

TSEYTLIN, Sh.Yu., kand.tekhn.nauk; MILOVIDOV, K.I., inzh.

Some data about the effect of time on deformations of an eccentrically compressed element with cracks in its upper surface.

Sbor. trud. NIIZHelezobetona no.5:107-117 '61. (MIRA 16:3)

(Prestressed concrete--Testing)

TO THE RESERVE OF THE PROPERTY OF THE PROPERTY

TSEYTLIN, Sh.Yu., kand.tekhn.nauk; MILOVIDOV, K.I., inzh.

Crack resistance of eccentrically compressed prestressed elements.
Sbor. trud. NIIZHelezobetona nc.5:61-106 '61. (MIRA 16:3)

(Prestressed concrete--Testing)

RATTS. Emmanuil Genrikhovich, kand.tekhn.nauk; TSEYFLIN. Sholom Yudovich, kand.tekhn.nauk; MASARSKIY, Aba Solomonovich; SHCHUKIN, Viktor Semenovich; starshiy inzh.; UKRAIHCHIK, M.M., inzh., red.

[Large prestressed concrete "Double T" slabs for roofs of buildings]
Predvaritel no napriazhennye zhelezobetonnye krupnye paneli
"dvoinoe T" dlia pokrytii zdanii; iz opyta NIIZHelezobetona i
zavoda No.22 Glavmospromstroimaterialov. Moskva, Gos.izd-vo lit-ry
po stroit., arkhit. i stroit.materialam, 1960. 27 p.

(MIRA 14:12)

l. Akademiya stroitel stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel stvu.

Byuro tekhnicheskoy informatsii. 2. Zaveduyushchiy laboratoriyey sbornykh zhelezobetonnykh konstruktsiy Nauchno-issledovatel skogo instituta zhelezobetonnykh izdeliy i nerudnykh materialov (for Ratts).

3. Zaveduyushchiy sektorom inzhenernykh konstruktsiy Nauchno-issledovatel skogo instituta zhelezobetonnykh izdeliy i nerudnykh materialov (for TSeytlin). 4. Glavnyy inzh. zavoda No.22 Glavmospromstroymaterialov (for Masarskiy). 5. Nauchno-issledovatel skiy institut zhelezobetonnykh izdeliy i nerudnykh materialov (for Shchukin).

(Precast concrete construction)
(Roofing, Concrete)

RATTS, E.G., kand.tekhn.nauk; TSEYTLIN, Sh. Yu., kand.tekhn.nauk

Improving prestressed elements of industrial buildings and ays
to prepare them. Prom. stroi. 39 no.4:32-37 '61. (MIRA 14:6)
(Prestressed concrete)

ISAYEV, V.; TSEYTLIN, V.

Quality should be perfect. Mashinostroitel' no.10:14-15 0 '61.
(MIRA 14:9)

(Leningrad-Machinery industry)

CIA-RDP86-00513R001757020009-0 "APPROVED FOR RELEASE: 03/14/2001

USSR / Magnetism. Ferromagnetism

F - h

Abs Jour

: Ref Zhur - Fizika, No 4, 1957, No 9525

Author

Inst

: Volkov, D.I., Chechernikov, V.I., Tseytlin, V.B. : Not given

Title

: Temperature Dependence of Magnetostriction of Ferromagne-

tic Alloys.

Orig Pub

: Vestn. Mosk. un-ta, 1956, No 2, 21-28

Abstract

: An experimental study was made of the temperature dependence of the magnetostriction of saturation $\bar{\lambda}_{\mathbf{5}}$ of ferromagnetic alloys with a nickel base (Ni-Cu, Ni-Co, Ni-Mn and a Ni-Fe alloy with 45% nickel) in the temperature region close to the Curie point. It was established that in this temperature region the variation of λ_{S} with T is linear in character, and this is in accordance with the theory of the temperature dependence of even Akulov effects. For Ni-Co al-

Card

: 1/3

USSR / Magnetism.Ferromagnetism

F - 4

Abs Jour

: Ref Zhur - Fizika, No 4, 1957, No 9525

Abstract

: loys (2.4 and 6% Co) and the Ni-Fe alloy (45% Ni) this linear dependence of λ_5 on T is observed in a greater range of temperatures than for Ni-Cu and Ni-Mn. It is noted that on the λ_5 (T) curves of the Ni-Cu and Ni-Mn alloys (3.7 and 8.5 atomic percent of manganese), in the direct vicinity of the Curie point (\mathcal{O}), there appear clearly pronounced asymptotic "tails" which vanish at $T_k > \mathcal{O}$. For the case of Ni-Cu alloys, the authors establish the dependence of T_k on the composition of the alloy. The authors propose that such "tails" on the λ_5 (T) curves are due to micro-irregularities in the composition and to the appearance of magnetic or dering at close distance. A study of the temperature dependence of λ_5 for Ni-Co alloys (29 and 30.5% Ni) which have an allotropic transformation, has shown that at the transfor-

Card

: 2/3

USSR / Magnetism . Ferromagnetism

F - 4

Abs Jour

: Ref Zhur - Fizika, No 4, 1957, No 9525

Abstract

: mation temperature jumps appear in saturation magnetostriction, the λ_5 (T) curves have considerable hysteresis, and the hysteresis loop remains unclosed at room temperatures.

Card

: 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

TSEYTLIN, V.B.; KINBER, B.Ye.

Measurement of the coefficient of directivity of horn antennas at a short distance. Radiotekh. i elektron. 10 no.1:14-20 Ja '65.

(MIRA 18:2)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

VOLKOV, D.I.; CHECHERNIKOV, V.I.; TSEYTLIN, V.B.

Temperature dependence of the magnetostriction of ferromagnetic alloys. Vest.Mosk.un.11 no.2:21-28 F '56. (MLRA 9:8)

1. Mafedra magnetizma. (Magnetostriction) (Ferromagnetism)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

Optimum pre-emphasis in multichannel PM radio relay lines with frequency-division multiplex. Elektrosviaz' 16 no.11:11-16 N '62. (MIRA 15:11) (Radio relay systems)

ACCESSION NR: AP5015815

UR/0109/65/010/006/1127/1131 30 621.396.6711001

AUTHOR: Tseytlin, V.B.

TITLE Management of the second of the second

TITLE: Measuring side-lobe radiation and phase diagrams of antennas in the

near region

SOURCE: Radiotekhnika i elektronika, v. 10, no. 6, 1965, 1127-1131

TOPIC TAGS: antenna, antenna radiation, directional pattern

ABSTRACT: The errors accompanying the measurement of directional-pattern parameters (set forth in a previous author's article) are theoretically investigated. By transforming and analyzing a basic equation for the receiving-antenna field amplitude, formulas for these error types are derived: (1)Shift of the minima and maxima of the measured pattern from the zeros and maxima of the true pattern; (2) Errors of measurement of the pattern minima and maxima; (3) Error in the measurement of the major-lobe half-width. "The author wishes to thank B.Ye. Kinber for his direction of this work." Orig. art. has 3 figures and 24 formulas.

ASSOCIATION: none

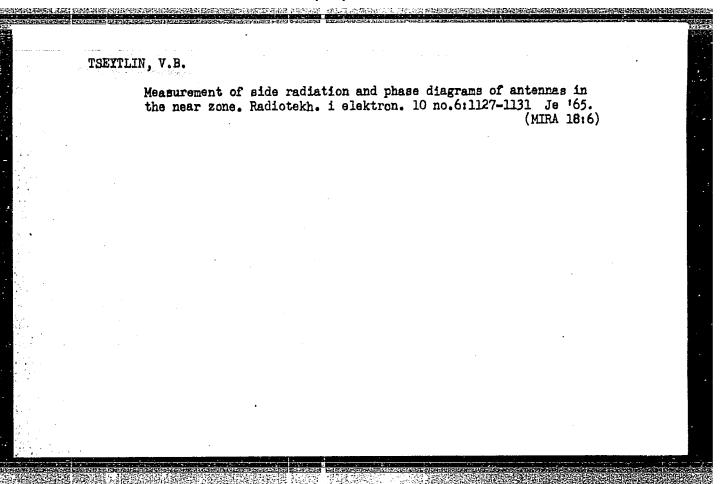
SUBMITTED: 120ct64 NO REF SOV: 001

Oct64 ENCL: 00 1 OTHER: 001 SUB CODE: EC

Card 1/1/mlr

KINBER, B.Ye.; TSEYTLIN, V.B.

Measurement of the parameters of antennas in the field of a plane wave created by a collimator. Radiotekh. i elektron. 10 no.7:1190-1201 J1 165. (MIRA 18:7)



"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757020009-0

115001

S/106/62/000/011/001/003 A055/A126

6-94/30 author:

Tseytlin, V.B.

TITLE:

Optimum pre-emphasis in multichannel radio-relay lines with fre-

quency multiplexing and frequency modulation

PERIODICAL: Elektrosvyaz, no. 11, 1962, 11 - 16

TEXT: For the calculation of optimum pre-emphasis characteristics the author takes into account the fact that pre-emphasis causes not only a redistribution of noises in channels, but also a variation of the total noise power in the group spectrum. The ideal characteristic is that with which equalization of noise levels in channels and minimization of the total noise power are reached simultaneously. The author finds an approximate optimum characteristic ensuring the minimum total noise power in the group spectrum. He assumes that the multi-channel communication is a normal stationary random process and that the group spectrum begins from zero frequency. The total noise power in the group spectrum at the output of the restoring circuit is

V

Card 1/3

S/106/62/000/011/001/003 A055/A126

Optimum pre-emphasis in multichannel

$$P_{tot}(f) = \int_{0}^{1} \sigma_{tot}(y) dy$$
 (7)

where σ_{tot} (y) is the relative spectrum of the total noise (at the output of the restoring circuit) in the presence of pre-emphasis, $y = F/F_{up}$, F is the present frequency and F_{up} the upper frequency of the group spectrum. The problem consists in finding the modulus of the pre-emphasis-circuit transmission factor f (y) at which is obtained the minimum value of the integral in (7), and which satisfies also the condition:

$$\int_{0}^{1} f(y) dy = 1.$$
 (8)

To find the minimum of the integral the author writes: $f(y) = \frac{p}{\sinh p} \cosh py$, (9) and determines the parameter p so that the total power $P_{tot}(p)$ should be minimum. Substituting (9) in the expressions for $\sigma(y)$ for fluctuation noises,

Card 2/3

S/106/62/000/011/001/003 A055/A126

Optimum pre-emphasis in multichannel

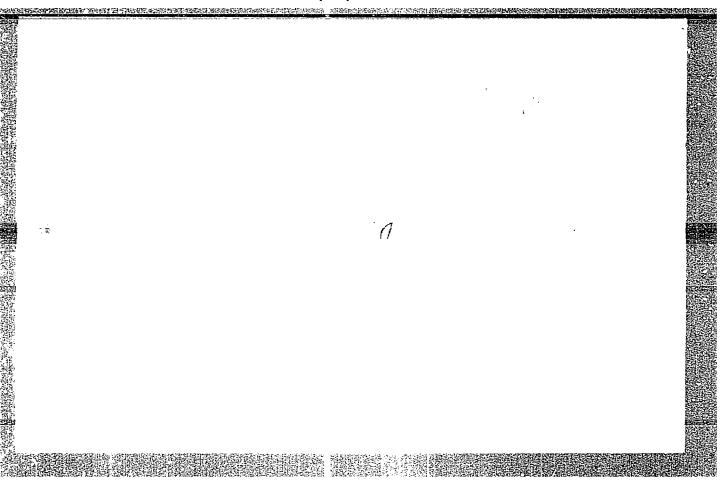
static noises of the second and third order and dynamic noises of the second and third order, he obtains (after integration):

$$P_{\text{tot}}(p) = \alpha_{fl} P_{fl}(p) + \alpha_{st2} P_{st2}(p) + \alpha_{st3} P_{st3}(p) + \alpha_{dyn2} P_{dyn2}(p) + \alpha_{dyn3} P_{dyn3}(p)$$
, (15)

where α_{fl} , α_{st2} , etc., stand for the power of the corresponding noise (in the upper channel and with respect to the total noise power) in the absence of preemphasis. Knowing the various α , it is easy to calculate (with the aid of graphs reproduced in the article) the value of P_{tot} (p) for a set of values of p. The value p_0 corresponding to the minimum of P_{tot} is considered as the optimum value. If the obtained noise-distribution in channels proves unsatisfactory, the value of p is altered in accordance with the curve $\sigma_{tot}(y)$. The calculations implied by the described method are simpler than in the case of the noise equalization method. A numerical example shows that both methods give practically equivalent results. The two methods must be considered as being complementary. There are 6 figures.

SUBMITTED: June 7, 1962

Card 3/3



"APPROVED FOR RELEASE: 03/14/2001 CIA-R

CIA-RDP86-00513R001757020009-0

L 1173-66 EWT(1)/T/FCS(k) WR

ACCESSION NR: AP5017656

UR/0109/65/010/007/1190/1201 621.317.729.3:621.396.67.095

AUTHOR: Kinber, B. Ye; Tseytlin, V. B.

TITLE: Measuring antenna parameters in the field of a plane collimator-formed wave

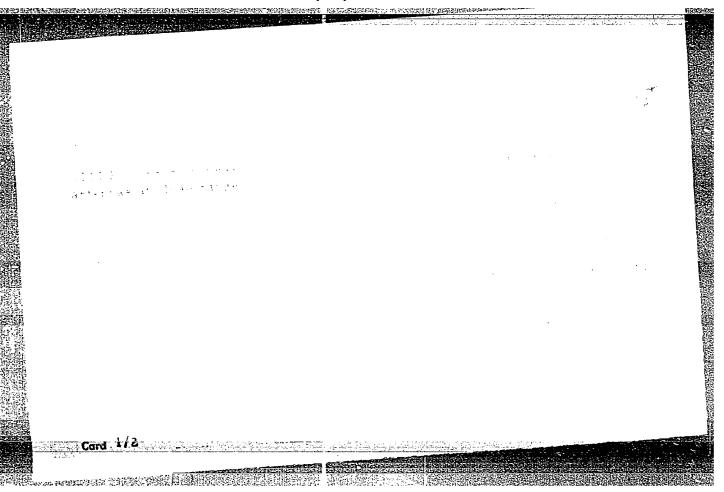
SOURCE: Radiotekhnika i elektronika, v. 10, no. 7, 1965, 1190-1201

TOPIC TAGS: antenna directivity

ABSTRACT: Errors accompanying the measurements of the antenna directional pettern by means of an auxiliary antenna (collimator) shaping a plane-wave segment are considered. Only the errors due to inexact realization of the plane wave are investigated: finite cross-section of the beam, amplitude gradients, stray fields, distance between the main and the auxiliary antennas, auxiliary-antenna configuration, field shape outside the plane-wave segment, etc. It is assumed that the plane-wave segment is formed in the aperture of a quasi-optical antenna (lens, mirror, horn-paraboloid, etc.). A fundamental formula is derived whose analysis yields formulas describing the above types of errors. Orig. art. has: 6 figures and 40 formulas.

card 1/2

L 1173-6	L 1173-66 ACCESSION NR: AP5017656					
ACCESSIO						0
ASSOCIAT	TION: none					444
SUBMITTE	ED: 04May64		ENCL: 00		SUB CODE:	EC, MIA
NO REF	60V: 006		OTHER: 001			
						· .



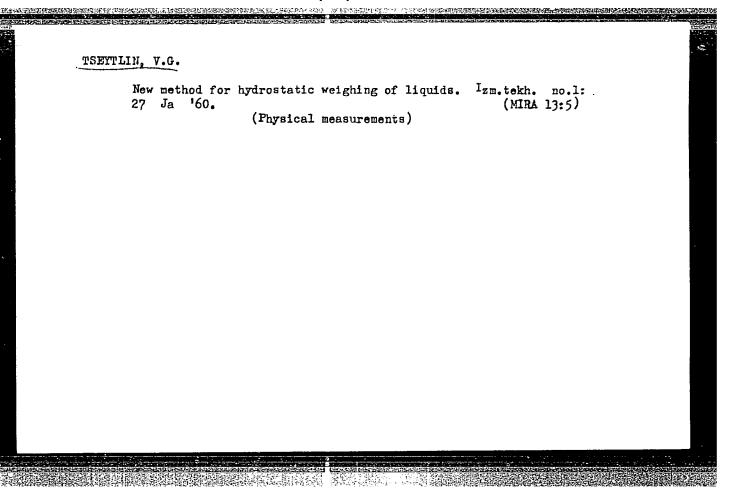
11149 45 2000 FUSE NUMBER AT VIEW		~	
grand to the ARC to the control of all the and the formation to		are determined with h	U
ASSOCIATION: none SUBMITTED: 22Jun63		ENCL: 00	
SVD GUDA. DO	NO REF SOME 15	Olner: 593	

KINBER, B.Ye.; TSEYTLIN, V.B.

Error in measuring directive gain and the radiation patterns of antennas at close distances. Radiotekh. i elektron. 9 no.9:1581-1593 S 164. (MIRA 17:10)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

TSEY	Errors of flow-switching devices in flow-measuring units. Izm. takh. no.2:55-58 F '62. (MIRA 15:2) (Flowmeters)
	•
. *	



	Turbine and of liquids.	piston meth Izm.tekh.	nod for meas	suring mass	consumption and	density
•						

TSEYTLIN, V.G.

Causes of annular gas showings after cementing gas-well casings and methods for their prevention. Burenie no.2:16-19 '64. (MIRA 18:5)

1. Sredneaziatskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovateliskogo instituta.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

ACCESSION NR: AP4016587

\$/0115/64/000/002/0034/0037

AUTHOR: Tseytlin, V. G.

TITLE: "Turbopiston" method of measuring mass flow and density of liquids

SOURCE: Izmeritel'naya tekhnika, no. 2, 1964, 34-37

TOPIC TAGS: mass flow, rate of flow, measuring mass flow, measuring liquid density, turbopiston flowmeter, turbopiston densimeter

ABSTRACT: A new instrument suggested for measuring the rate-of-flow and density of a liquid consists of two sensors: one with a miniature axial turbine and the other with a piston. The angular velocity of the turbine is proportional to the rate-of-flow; the piston measures the hydrodynamic pressure which depends on the velocity and density of the flow. In the housing 1 (see Enclosure 1), a turbine 2 is fastened to a piston 3 which can travel axially and rotate in the stationary cylinder 4 supported by 5. A pressure is set up in the cylinder 4 proportional to the static pressure of the stream plus the hydrodynamic head applied axially to both the turbine and the piston. A tube 6 conveys this pressure

Card 1/32

ACCESSION NR: AP4016587

to a differential manometer 7 whose second cavity is connected by a tube 8 with a ring chamber 9. Thus, the manometer measures only the dynamic component of the flow pressure. Press 10 compensates for leakage around the piston. Counter 11 measures the angular velocity of the turbine. The procedures followed in designing this new instrument are described, and design formulas supplied. Tests of five experimental models permit the author to claim an error of as low as 0.5% and a high durability of the instrument. Its shortcomings (leakage and the necessity of a computing device) are also noted. Orig. art. has: 3 figures and 15 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 12Mar64

ENCL: 01

SUB CODE: IE

NO REF SOV: 004

OTHER: 001

Card 2/3 2

SOV/11558-5-12/36

AUTHOR:

Perchikhin, K.I. and Tseytlin, V.G.

TITLE:

Float Devices for Measuring the Mass of Liquids (Poplavkovyye pribory dlya izmereniya massy zhidkosti)

PERIODICAL:

Izmeritel'naya tekhnika, 1958, Nr 5, pp 26-28 (USSR)

ABSTRACT:

The paper examines the principles and the construction of a float device for measuring the mass of liquids. The device consists of a vessel with a neck on which a water gauge is marked, and of a special float. The principle of the device is as follows: When the vessel is filled with a fluid of definite mass, the float occupies an invariable position with regard to the water mark irrespective of the liquid's density. The latter corresponds to the fluid level where $P = P_0$, where P_0 is the density of the fluid which was used for calibration. When the density changes from P_0 to P_0 , the level of the fluid will change a specific amount in regard to the water mark line. The paper then develops formulae for calculating these amounts.

Card 1/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

SOV/115-58-5-12/26

Float Devices for Measuring the Mass of Liquids

These calculations reveal that an error of less than 0.05%, with a change in fluid density of not more than 20%, can easily be guaranteed. The error in measurement can be reduced to 0.01% for a fluid mass of more than 100 g and a density change of not more than 20%. The principle can be utilized for standard and everyday building dosimeters for measuring liquids in units of mass, discrete automatic mass counters, central pick-ups etc. The paper gives the design for such a device. Dosing apparatus differs from dosimeters only in the use of an automatic dosage device, consisting of induction coils which track the position of the float, contacts which activate the cut-off valves, bypass tubes etc. The author has constructed a dosimeter for measuring a liquid mass of 500 g. Experiments have shown that the maximum error when measuring the mass of various fluids (water, kerosene and gasoline) does not exceed ± 0.15%. There are 2 diagrams and 1 Soviet reférence.

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

KOKUSHKINA, A.S., otv. red.; TSEYTLIN, V.G., red.; CHURAKOVA, V.A., tekhn. red.

[Safety engineering regulations for the installation and maintenance of radio relay stations and networks] Pravila teknniki bezopasnosti pri ustroistve i obsluzhivanii stantsii radiotransliatsionnykh uzlov. Moskva, Sviaz'izdat, 1962. 38 p. (MIRA 16:6)

Russia (1923- U.S.S.R.) Ministerstvo sviazi Soyuza SSR.
 Laboratoriya okhrany truda.
 (Radio relay systems--Safety regulations)

L 46215-66 EWT(1) TG ACC NR: AP6014223

SOURCE CODE: UR/0115/66/000/003/0015/0019

AUTHOR: Tseytlin, V. G.

ORG: none

TITLE: Problems of reliability of measuring devices

SOURCE: Izmeritel'naya tekhnika, no. 3, 1966, 15-19

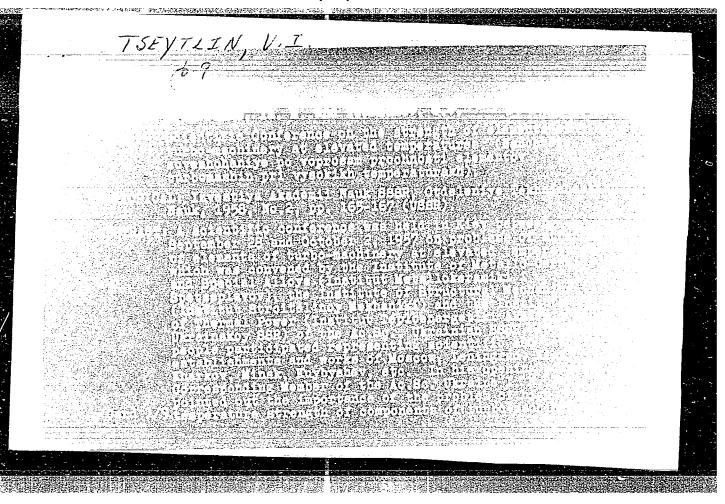
TOPIC TAGS: reliability theory, reliability engineering, measuring instrument

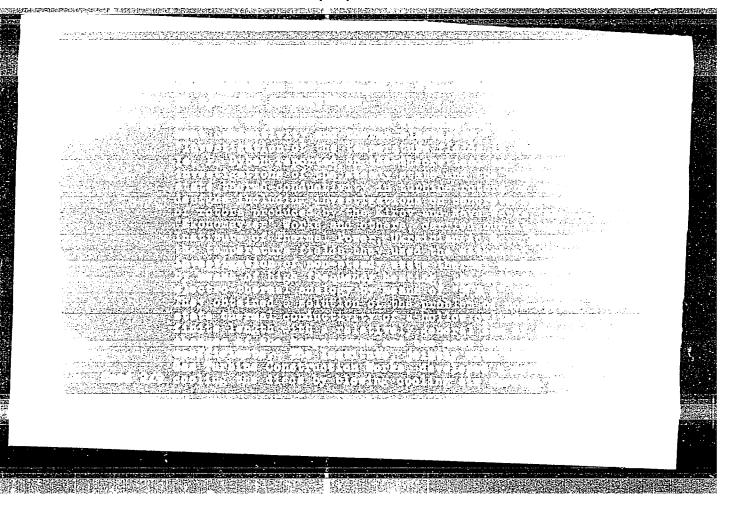
ABSTRACT: Three theoretical problems frequently encountered in supervision and checking of measuring instruments are considered: (1) The metrological reliability of measuring instruments which is evaluated by the probability of their faultless operation (formulas for the function of metrological failures, the mean time to first instrument failure, and the failure hazard are derived); it is noted that the failure hazard increases up to a certain time point and then falls off; (2) The certainty of a measurement result obtained as a mean arithmetic value of readings of k measuring instruments (formulas are given for the probability that the result will not contain a higher-than-tolerable error); (3) Selecting the number of reserve instruments which ensure, with a specified probability, faultless operation of N identical measuring instruments during a specified time. Orig. art. has: I figure and 44 formulas.

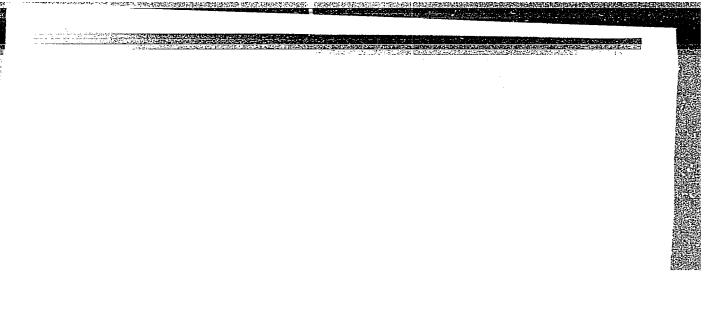
SUB CODE: 14 / SUBM DATE: none / ORIG REF: 003

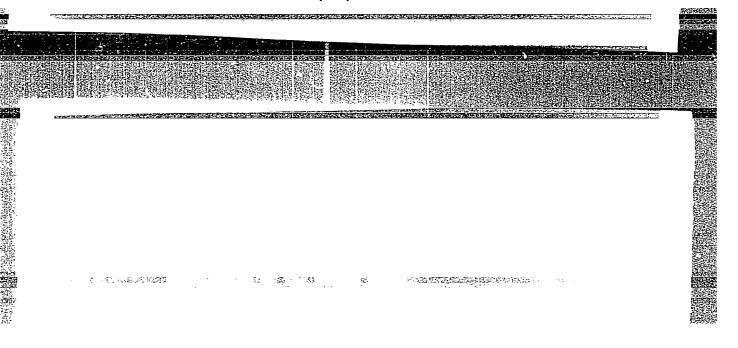
TIDC: 491 2 010 3

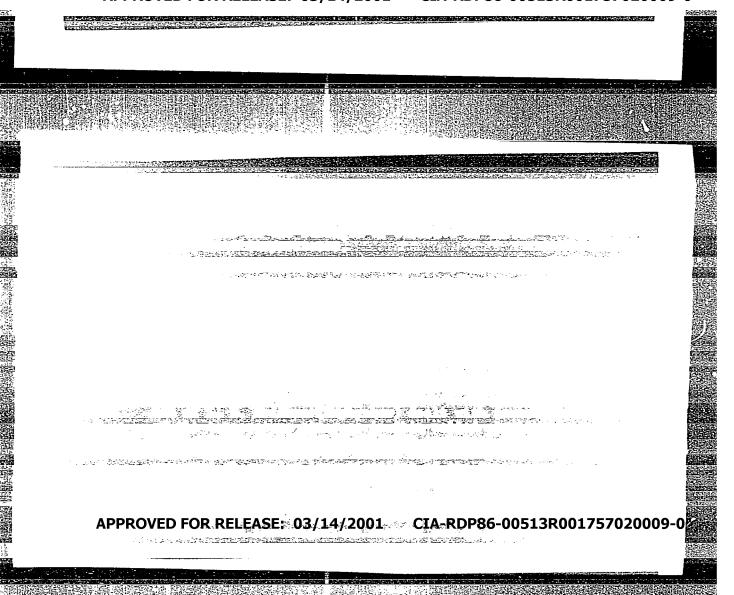
"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0

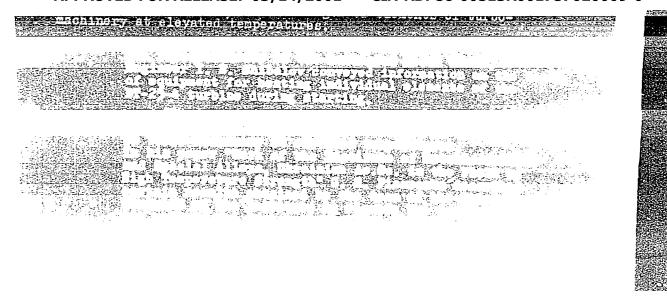


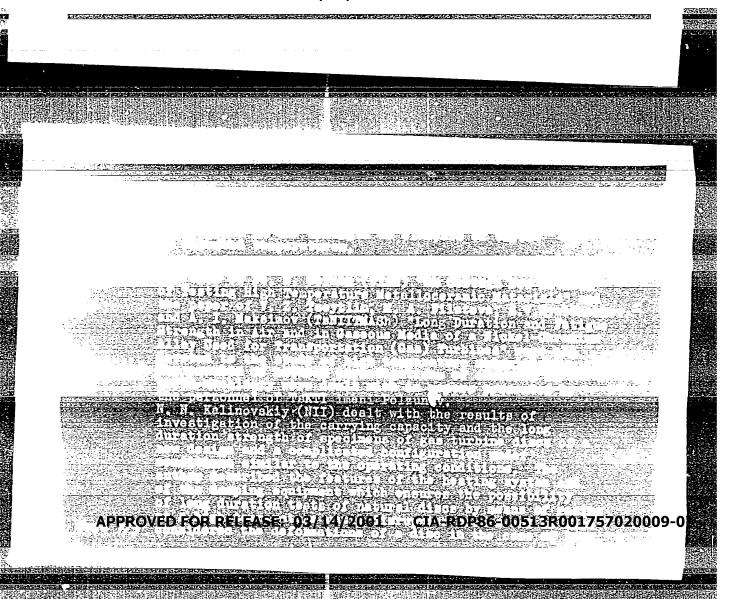


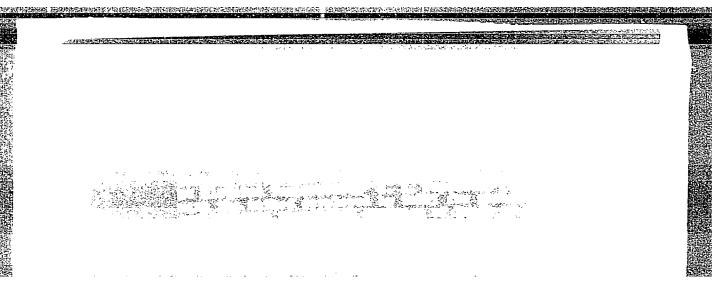


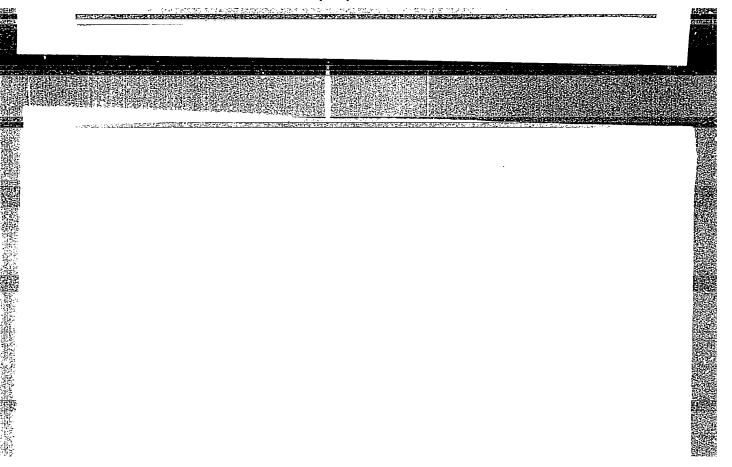












TSEYTLIN, V.L. (Murmansk); TIMOFEYEV, N.N., prof., nauchnyy rukovoditel.

Mental disordefs in systemic lupus erythematosus. Zhur.nevr.

i psikh. 63 no.2:259-262 '63 (MIRA 16:11)

		II I I F I I I I
		a = a + b = a
CURCE: Byulleten' izobre	eteniy i tovarnykn znakov, s	ne. t, 1965, 79
Programme Sweet and the second	and the state of t	. J. Ima H. 13. Jre
oth at the home Author Car	mbilli are in eers on a seed	.amt ter aeroso⊾ talooms, antino a literatura
bbiled cuaminarra/		Çı .
DDILEG CHEMIETY/	ENCL: CO	SUB CODE: FP, GC

CIA-RDP86-00513R001757020009-0 "APPROVED FOR RELEASE: 03/14/2001

28(5)

AUTHORS:

Yagn, Yu. I., Kovalov, K. F., Myakinin, L. V., SOV/32-25-6-46/53

Pavlov, P. A., Tseytlin, V. Ya.

TITLE:

Device for Testing Simultaneous Extension and Torsion (Ustanovka dlya ispytaniy na odnovremennoye rastyazheniye i krucheniye)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 6, pp 756-757 (USSR)

ABSTRACT:

A device was constructed which permits a simultaneous extension (with a load of up to 125 t) and torsion (with a torsional moment up to 7000 kgm) (Fig) for the testing of axial-models of hydroturbines with respect to construction variants designed by the Leningradskiy metallicheskiy zavod (Leningrad Metal Works) for the

Kuybyshevskaya i Bratskaya GES (Kuybyshev and Bratsk Hydroelectric Power Plants). The arrangement is in principle a hydraulic press with a system for the extension of the sample between the piston and the upper traverse. Torsion is carried out with hydraulic jacks up to an

angle of 9° may, however, go still further. Since in commention with simultaneous extension and torsion higher friction is caused load is measured with a special dynamometer; the deformation measurements by the dynamometer may be made according to various principles (Ref 1).

Card 1/2

There are 2 figures and 1 Soviet reference.

Device for Testing Simultaneous Extension and Torsion SOV/32-25-6-46/53

2017 72-27-04407 7

Leningradskiy politekhnicheskiy institut im. M. I. Kalinina Leningrad Polytechnic Institute imeni M. I. Kalinin)

Card 2/2

ASSOCIATION:

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"

TSEYTLIN, V.Z., kand.tekhn.nauk; KALUGINA, I.I., inzh. Relaxation strength of highly resistant cast iron with spheroidal graphite. Metalloved. i term. obr. met. no.8:11-14 Ag '62.

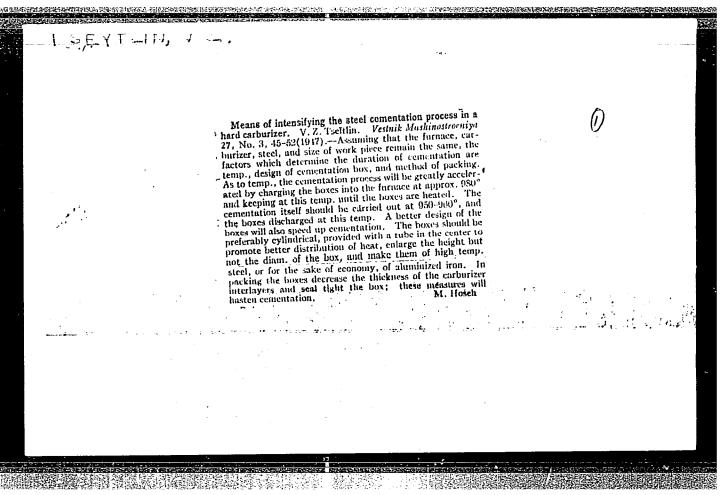
(MIRA 15:11)

THE RESERVE OF THE PROPERTY OF

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya i Moskovskiy vecherniy mashinostroitel'nyy institut.

(Cast iron-Testing) (Strains and stresses)

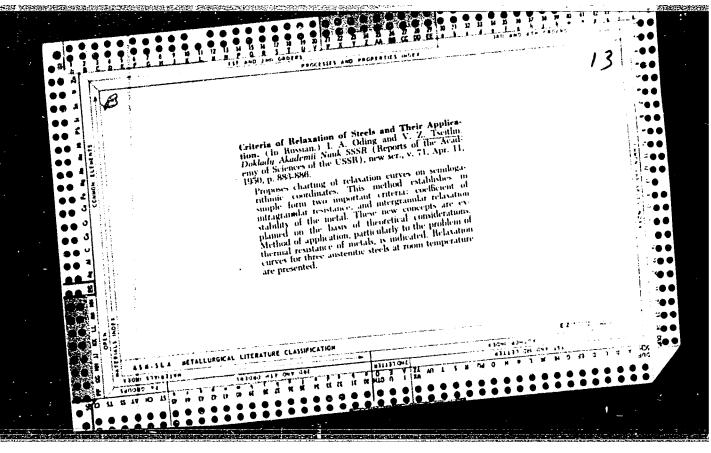
APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"



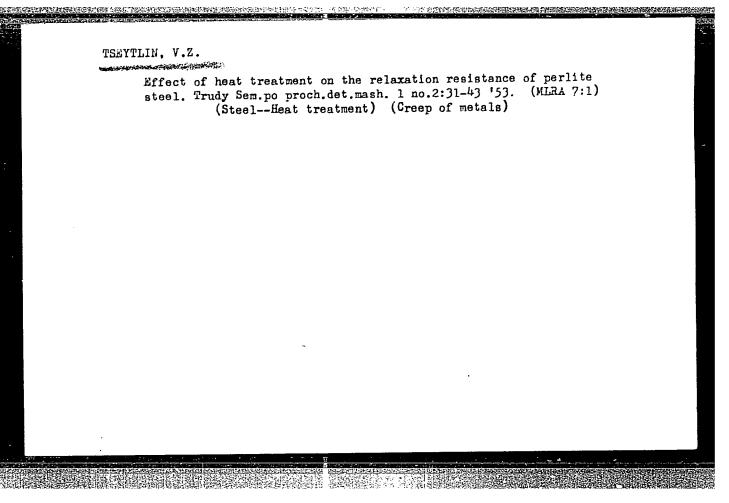
TSEYTLIN, V. Z.

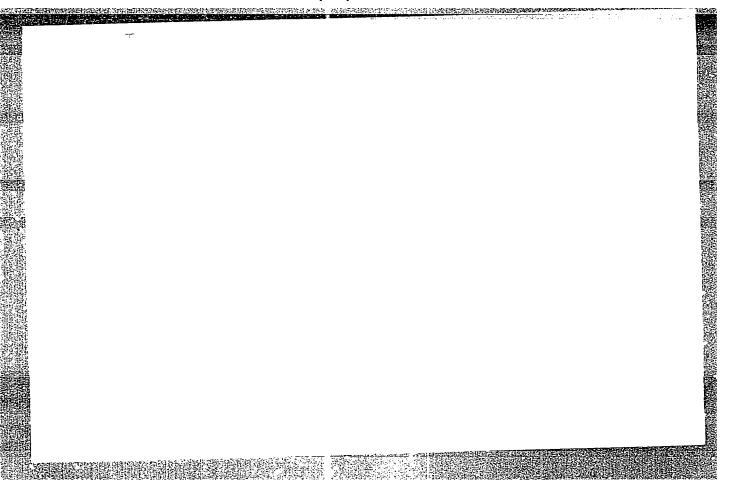
"Investigation of the Relaxation Process in Perlitic Steel for the Reinforcing Parts of High-Pressure Installations." Thesis for degree of Cand. Technical Sci. Sub 22 May 50, Central Sci Res Inst of Technology and Machine Building

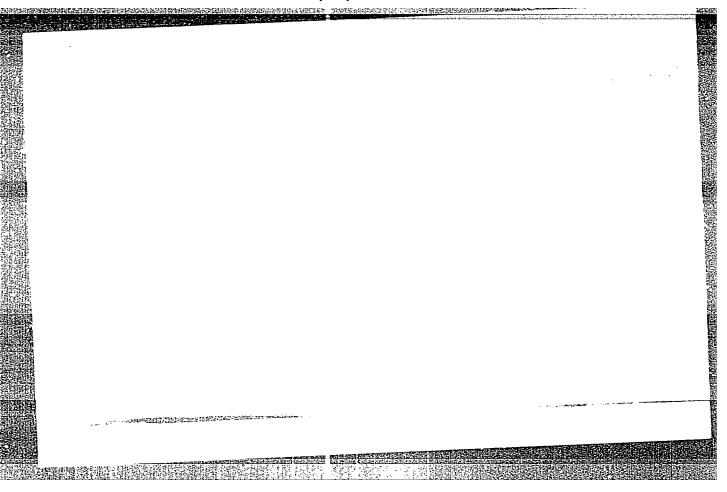
Summary 71, 4 Sep 52, <u>Dissertations Presented for Degress in Science and Engineering in Moscow in 1950</u>. From <u>Vechernyaya Moskva</u>. Jan-Dec 1950.



APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757020009-0"



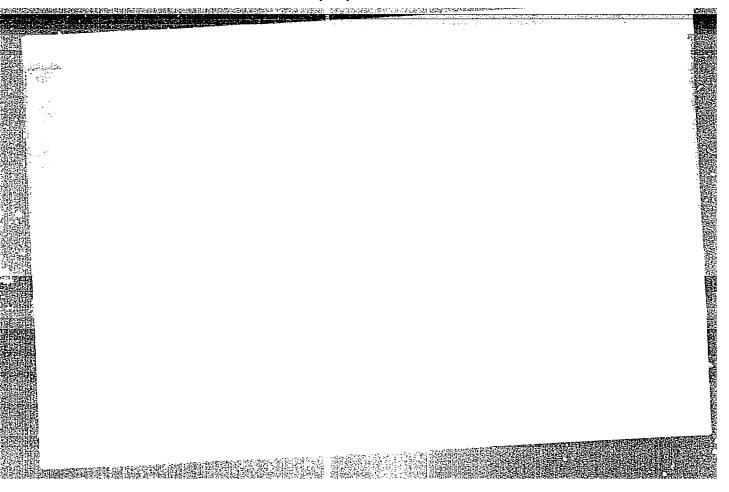


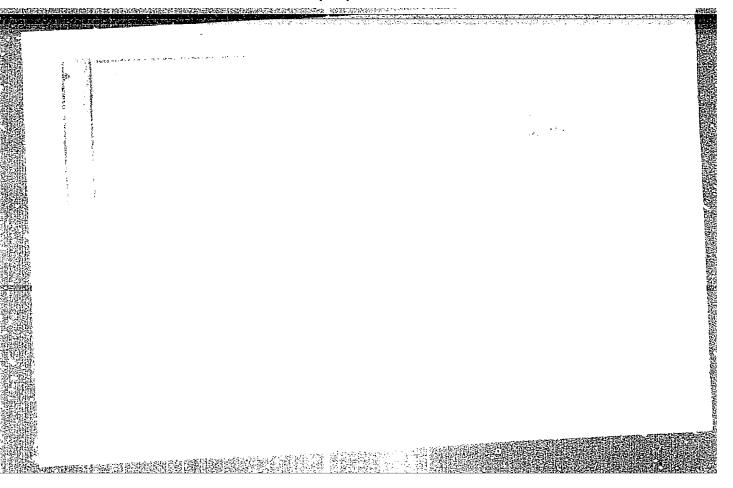


VOLKOVA, T.I., kandidat tekhnicheskikh nauk; TSEYTLIN, V.Z., kandidat tekhnicheskikh nauk.

Effect of small additions of alloying elements on the relaxation resistance of carbon steel. [Trudy] TSNIITMASH 71:233-241 '55. (MLRA 9:8)

(Steel) (Creep of metals)





Effect of the transformation of austenite in the intermediate zone on the relaxation resistance of the steel. [Trudy] TSNIITMASH 71: (MLRA 9:8) 262-268 '55. (Steel) (Creep of metals)

TseyTlin, V.S.

ALEKIN, Lev Yemel'yanovich, kandidat tekhnicheskikh nauk, dotsent; GLADILIN, Anatoliy Nikolayevich, kandidat tekhnicheskikh nauk, dotsent; KRASA-VIN, Vasiliy Stepanovich, starshiy prepodavatel'; LUNEV, Fedor Andreyevich, kandidat tekhnicheskikh nauk, dotsent; MAKAROVA, Vera Ivanovna, kandidat tekhnicheskikh nauk, dotsent; KHHENOV, Aleksey Sergeyevich, kandidat tekhnicheskikh nauk, dotsent; KHHENOV, Aleksey Dmitriyevich, starshiy prepodavatel'; TSEYTLIN, V.S., kandidat tekhnicheskikh nauk, redaktor; RZHAVINSKIY, V.V., inzhener, redaktor; SHUR, D.S., redaktor; EGGERT, A.P., tekhnicheskiy redaktor.

[General technology of metals] Obshchaia tekhnologiia metallov. Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1956. 327 p. (MIRA 9:6) (Metalwork)

AP4042620

\$/0096/64/000/008/0054/0057

ACCESSION NR:

AUTHOR: Gulyayev, V. N. (Candidate of technical sciences); Tseytlin, V. Z. (Candidate of technical sciences); Ryabova, L. I. (Engineer); Talov, N. P. (Engineer); Bulanov, Yu. P. (Engineer)

TITLE: Effect of the duration of heating on the structure and properties of chromium-manganese-nickel steels

SOURCE: Teploenergetika, no. 8, 1964, 54-57

TOPIC TAGS: chromium manganese nickel steel, austenitic heat resistant steel, low nickel steel, austenitic steel, steel aging, steel corrosion, austenitic steel steam pipeline, OKh14N3G11AB steel, OKh18N5G12AB steel, IKh14N3G14T steel, 1Kh18N9T steel

ABSTRACT: In a search for substitutes for 1Kh18N9T (AISI321) steel. in high-temperature steam service, the structure, phase composition, mechanical properties, and susceptibility to intergranular corrosion of three heat-resistant, stainless, low-nickel steels have been investigated after aging at 500, 550, and 650C for up to 2000 hr. Induction-melted ingots of the OKh14N3G11AB steel, OKh18N5G12AB steel,

Card 1/3

CLEVER CONTROL OF THE PROPERTY OF THE PROPERTY

ACCESSION NR: AP4042620

and 1Kh14N3G14T steel were forged and air cooled from 1050C. In the 20-650C temperature range, the strength of the new steels in the initial state was equal to or higher than that of 1Kh18N9T steel. The room-temperature ductility of all the steels except OKh18N5G12AB was higher than that of 1Kh18N9T steel. At room temperature, OKh14N3G11AB steel had a notch toughness of 14-19 kgm/cm² OKh18N5G12AB steel, of 7-13 kgm/cm2, and 1Kh14N3G14T steel, of 26-32 kgm/cm2. Aging of Cr-Mn-Ni steels at 500C or higher produced diffusional decomposition of the supersaturated solid-solution austenite with the precipitation of chromium and manganese carbides and nitrides, predominantly along the grain boundaries. The diffusional decomposition of austenite of nitrogen-containing Cr-Mn-Ni steels induces hot brittleness in them, particularly in OKh18N5G12AB steel, whose notch toughness dropped to $2-4~\rm kgm/cm^2$ after 2000-hr aging at 650C. The steels became susceptible to intergranular corrosion after about 100-hr aging at 500C; however, the corrosion resistance gradually increased after about 1000-hr aging. In general, the investigated steels should not be used at temperatures higher than 460-470Cwhen the operating conditions might promote intergranular corrosion by water and/or steam. In the absence of such a medium, an operating

Car. 2/3

	\$		man a sanara and a sanara di manana di m	ر. ريان ورسسسي مي	. The second	ANDE	
	AGCESSION NR: AP4042620						
	wine in the	e as high as structure of d 2 tables.	500C can be perm: r mechanical prop	itted, with erties. O	h no changes occ rig. art. has:	u r- 6	
İ	ASSOCIATION: VII; TaniichM						
	SUBMITTED:		ATD PRESS: 3	1083	encl: 00	• .	
	SUB CODE:	мм	NO REF SOV:	004	OTHER: 000		
					•		
•			•				
1	• .		,				